

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 H04L12/28 H04Q7/36

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 H04L H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 933 420 A (FISHER DAVID A ET AL) 3 August 1999 (1999-08-03) column 5, line 33 - column 7, line 35	1,2,6-8, 11
X	US 6 496 490 B1 (DOMINIQUE FRANCIS ET AL) 17 December 2002 (2002-12-17) column 3, lines 26-32 column 5, line 41 - column 6, line 13 column 7, line 65 - column 8, line 28	1,3-7, 9-11
P,X	EP 1 387 596 A (SONY CORP) 4 February 2004 (2004-02-04) paragraphs '0033!', '0034!', '0108!', '0123!' - '0131!'	1,2,6-8, 11
X	& WO 02/091788 A (SONY CORP ; SUGAYA SHIGERU (JP); SUZUKI MITSUHIRO (JP)) 14 November 2002 (2002-11-14)	1,2,6-8, 11



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

3 November 2004

Date of mailing of the international search report

10/11/2004

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Weinmiller, J

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/IB2004/051307

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5933420	A	03-08-1999	US 6208629 B1	27-03-2001
US 6496490	B1	17-12-2002	JP 3435100 B2	11-08-2003
			JP 2000078651 A	14-03-2000
EP 1387596	A	04-02-2004	JP 2003143644 A	16-05-2003
			BR 0205217 A	01-07-2003
			EP 1387596 A1	04-02-2004
			CN 1462563 T	17-12-2003
			WO 02091788 A1	14-11-2002
			US 2003169697 A1	11-09-2003
WO 02091788	A	14-11-2002	JP 2003143644 A	16-05-2003
			BR 0205217 A	01-07-2003
			CN 1462563 T	17-12-2003
			EP 1387596 A1	04-02-2004
			WO 02091788 A1	14-11-2002
			US 2003169697 A1	11-09-2003